

Focus Area 24: Respiratory Diseases

Objective 24-2a calls for reduction in the hospitalization rate for asthma to 25.0 per 10,000 children under age 5 years.

Hospital discharge data for 2000 indicates a total of 8,771 discharges among California resident children under age 5 with a principal diagnosis of asthma, which translates to a rate of 35.3 hospitalizations per 10,000 population under age 5 (Figure 24-2a, Table 24-2a). Data for 2001 show 8,286 discharges at a rate of 33.4 per 10,000; data for 2002 show 8,639 discharges at a rate of 34.7 per 10,000; and data for 2003 show 8,287 discharges at a rate of 32.6 per 10,000. These rates are significantly higher than the target set in the HP2010 objective.

The asthma hospitalization rates for males under age 5 (42.0 per 10,000 in 2003) were significantly higher than the HP2010 target, and nearly twice as high as the rates for females under age 5 (22.8 per 10,000 in 2003). This HP2010 objective is being met for females, but not for males under age 5.

Examined by race and ethnicity, the highest asthma hospitalization rates among children under age 5 were found for African Americans/Blacks (95.1 per 10,000 in 2000 to 78.7 per 10,000 in 2003). Although these rates are declining, they are nearly four times greater than the HP2010 target and significantly higher than rates for all other racial and ethnic populations. Hospitalization rates for White children under age 5 (30.1 per 10,000 in 2003), for Hispanic/Latino children under age 5 (29.7 per 10,000 in 2003), and for Asian/Pacific Islander children under age 5 (26.7 per 10,000 in 2003) were all significantly higher than the HP2010 target. The HP2010 objective is only being achieved for American Indian/Alaska Native children under age 5 (19.6 per 10,000 in 2003).

For more information on asthma, visit the California Asthma Public Health Initiative Web site at:

<http://www.dhs.ca.gov/asthma>

and the CDHS Chronic Disease Control Branch Web site at:

<http://www.dhs.ca.gov/ps/cdic/cdcb/Medicine/asthma/html/ChildrenLinks.htm>

For more information on Healthy People 2010 objective 24-2a, please visit:

http://www.healthypeople.gov/Document/HTML/Volume2/24Respiratory.htm#_Toc489704825

and

<http://www.healthypeople.gov/Document/html/tracking/od24.htm#asthma>

Figure 24-2a
Asthma Hospitalization Rates
Children Under Age 5
California, 2000-2003

Healthy People 2010 objective = 25.0

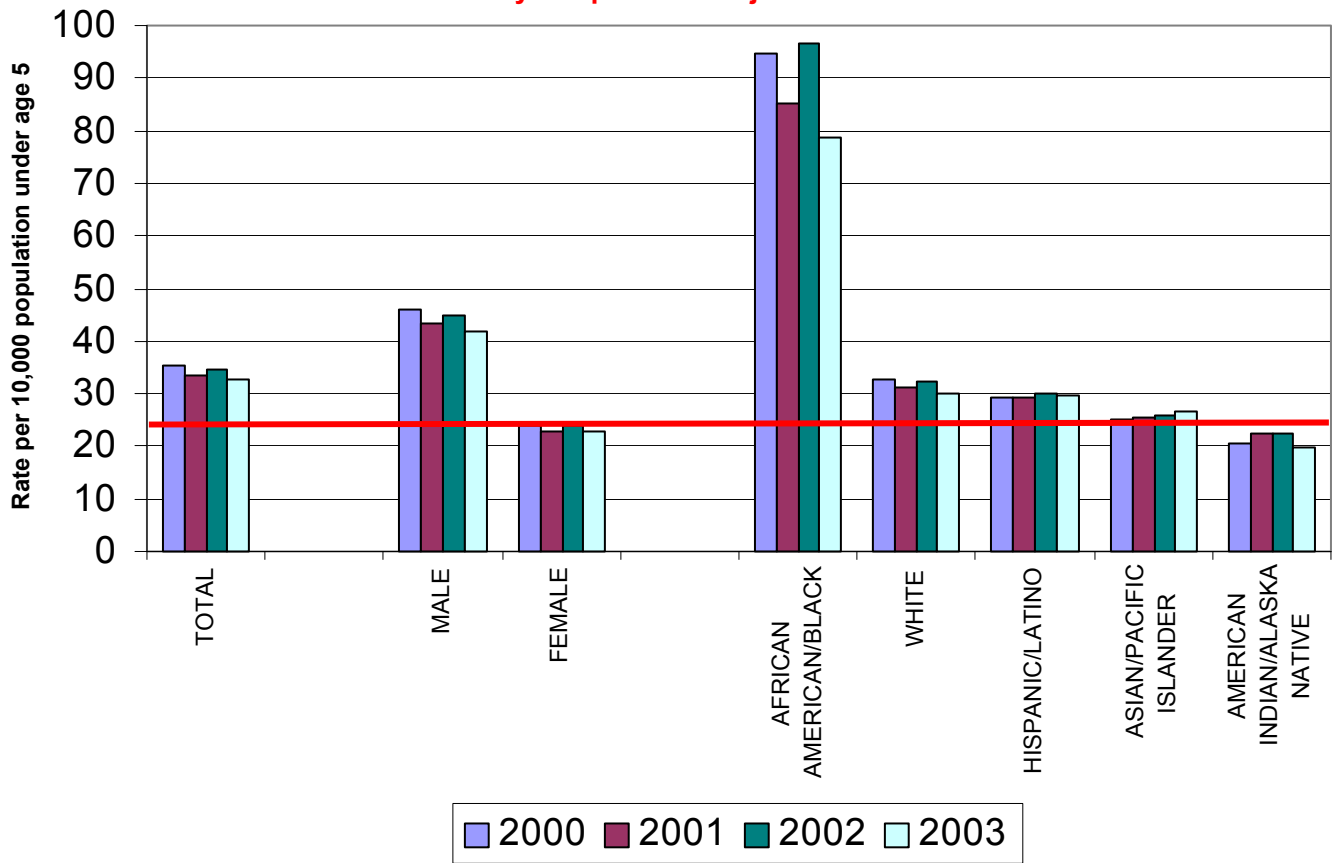


Table 24-2a
Asthma Hospitalization Rates
Among Children Under 5 Years of Age
California, 2000-2003

Asthma Hospitalizations Under 5*			2000		2001			
	N	Rate ¹	Lower 95% C.I.	Upper 95% C.I.	N	Rate ¹	Lower 95% C.I.	Upper 95% C.I.
Healthy People 2010 Objective 24-2a		25.0				25.0		
CALIFORNIA TOTAL	8,771	35.3	34.6	36.1	8,286	33.4	32.7	34.1
Race-Ethnicity								
American Indian/Alaska Native	25	20.4	12.4	28.3	27	22.5	14.0	31.0
Asian/Pacific Islander	574	25.1	23.1	27.2	584	25.3	23.3	27.4
Black/African American	1,532	94.5	89.7	99.2	1,347	85.2	80.7	89.8
Hispanic/Latino	3,491	29.4	28.5	30.4	3,475	29.1	28.2	30.1
White	2,621	32.8	31.5	34.0	2,418	31.1	29.8	32.3
Gender								
Female	2,920	24.1	23.2	25.0	2,791	23.0	22.2	23.9
Male	5,850	46.1	44.9	47.2	5,494	43.3	42.2	44.5

Asthma Hospitalizations Under 5*			2002		2003			
	N	Rate ¹	Lower 95% C.I.	Upper 95% C.I.	N	Rate ¹	Lower 95% C.I.	Upper 95% C.I.
Healthy People 2010 Objective 24-2a		25.0				25.0		
CALIFORNIA TOTAL	8,639	34.7	33.9	35.4	8,287	32.6	31.9	33.3
Race-Ethnicity								
American Indian/Alaska Native	25	22.5	13.7	31.4	24	19.6	11.7	27.4
Asian/Pacific Islander	599	25.8	23.8	27.9	636	26.7	24.6	28.7
Black/African American	1,479	96.4	91.5	101.3	1,222	78.7	74.3	83.1
Hispanic/Latino	3,633	30.1	29.1	31.1	3,676	29.7	28.7	30.6
White	2,481	32.5	31.2	33.7	2,339	30.1	28.8	31.3
Gender								
Female	2,927	24.0	23.1	24.9	2,834	22.8	22.0	23.7
Male	5,712	44.8	43.7	46.0	5,453	42.0	40.9	43.1

SOURCES: Office of Statewide Health Planning and Development, Patient Discharge Data, 2000-2003;
CA Department of Finance, Demographic Research Unit, Population Projections by Race/Ethnicity for California
and Its Counties 2000-2050, May 2004.

NOTES: * ICD-9-CM code 493 in the Principal Diagnosis field of the discharge record.

¹ Rate per 10,000 population under age 5.